

Date: Sat, 10 Sep 94 04:30:24 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V94 #322
To: Ham-Equip

Ham-Equip Digest Sat, 10 Sep 94 Volume 94 : Issue 322

Today's Topics:

 1940 GERMAN RADIOS
 2m HT usefulness in the Sierras
 50 MILE SIMPLEX SUGGE
 Corrections: Motorola Micor (or comparable) Tranceivers
 GAP antenna
How should you charge a nicad? When it's weak, or after each use? (3 msgs)
 Mobile with TM742 or TM733
 Need addresses of HAM RADIO SHOPS in Washington DC (2 msgs)
 QRP Recommendations
 R7 Information
 SETIQuest Magazine - Exobiology
 Value of Icom 551D 6m multimode?

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 9 Sep 1994 13:53:45 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!darwin.sura.net!
jabba.ess.harris.com!hhickman.ess.harris.com!user@network.ucsd.edu
Subject: 1940 GERMAN RADIOS
To: ham-equip@ucsd.edu

Looking for information (elect drawing) for 6 German radios
from the 1940 period. All have tubes, and work. Nice wood
cab.

Remember if it doesn't glow, it not a radio.

--

Harris Hickman
Harris Corporation
Melbourne, Florida

Date: Fri, 9 Sep 1994 18:30:03 GMT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!zimmer!
zimmer.csufresno.edu!rafaels@network.ucsd.edu
Subject: 2m HT usefulness in the Sierras
To: ham-equip@ucsd.edu

In article <34oas5\$orc@worf.qntm.com> dfoster@worf.qntm.com (Dave Foster) writes:
>From: dfoster@worf.qntm.com (Dave Foster)
>Subject: 2m HT usefulness in the Sierras
>Date: 9 Sep 1994 00:39:33 GMT

>Hi! I'm new to the net AND amateur radio, so please forgive my ignorance.
>I've got a question similar to a thread recently circulating. I would like
>to use a 2m HT for emergency communication while backpacking and skiing in
>the Sierra Mountains of California. So my questions to hams with experience
>in this region is: what is the probability of connecting with a repeater in
>this situation? Must I be at the top of the highest peak, or are there enough
>repeaters on nearby mountain tops to receive my signal out of Valleys? I spend
>most of my time in the following areas: Tuolumne meadows of Yosemite, Emigration
>Wilderness, Desolation Wilderness and sometimes Hoover Wilderness. I have a
repeater directory, but that
>lists only the NEAREST CITY!

Dave: I do a lot of hiking in the sierras and never had problems hitting hams
(some as far as Las Vegas). I use a Yaesu FT11 with an AEA 1/2 wave antenna
(I think is called the Hot Rod) and with only 1.5 watts!. The trick is to be
at a high elevation with no trees around you. I also notice that near granite
walls (plenty in the Sierras) your TX and RX are even better (I think granite
is a very good reflector(?) of RF and acts as a giant dish antenna).

I have also contacted people on simplex as far as Fresno (CA) from Kings
Canyon NP (about 80 miles away!). Again you have to be in the right spot.
Near Yosemite you can hit the 147.000 repeater which is linked with 147.030
down in the San Joaquin Valley.

Happy hiking and hamming!

Rafael, KE6JSR

Rafael Solis, Professor Craig School of Business
rafaels@zimmer.csufresno.edu California State University, Fresno
(209)278-2194 (209)278-4911 (Fax)

Date: Fri, 9 Sep 94 10:54:08 -0500
From: news.delphi.com!usenet@uunet.uu.net
Subject: 50 MILE SIMPLEX SUGGE
To: ham-equip@ucsd.edu

<kn4aq.gary@mms.raleigh.nc.us> writes:

>Probably the best amateur bands for that would be 6 meters or 2 meters,
>and the best mode would be SSB (or CW). Assuming there isn't a big piece
>of earth between you (ridge, mountain), you could do it with about 100
>watts and a 10 element (5 element on 6 meters) beam up 30 or 40 feet.
>Maybe even a little less.

Good idea here, but in connecticut we routinely make 50-70 mile qso's via
6 meter FM with mobile and base rigs at about 50 watts. A good qth is
a big factor, but if you have relatively open terrain, 6M will give you
very reliable contacts. These mid-distance (VHF-wise) contacts seem to
be unaffected by propagation fluxuations (E-skip and tropo) except for the
racket on 52.525 when the band opens!!

Look for converted Motorola's for low \$\$\$ and get a pair on the
same freq, such as 52.525, and you should be in business.

73 and feel free to reply via email
brunelli_pc@delphi.com

pete
n1qdq

Date: 9 Sep 94 16:46:06 GMT
From: news-mail-gateway@ucsd.edu
Subject: Corrections: Motorola Micor (or comparable) Tranceivers
To: ham-equip@ucsd.edu

Hi;

I am looking for Motorola Micor transceivers or similar units.
Any idea where I may find such surpluses?

73's de N1HPP
taalebi@ai.mit.edu

Date: Fri, 9 Sep 1994 17:44:00 GMT
From: ihnp4.ucsd.edu!pacbell.com!sgiblab!sdd.hp.com!saimiri.primate.wisc.edu!
news.larc.nasa.gov!news.msfc.nasa.gov!DRPC01.MSFC.NASA.GOV!bird@network.ucsd.edu
Subject: GAP antenna
To: ham-equip@ucsd.edu

I am thinking of getting the new GAP 80-10 vertical. On paper it looks great and the price is much better than the R7. I would like to hear from any and all users of the GAP antennas and see what everyone thinks of them. I would hate to make a real big mistake by getting this and finding out that everyone but the reviewers hate the antenna.

73
Joe Bird WB4ARV
MSFC birdjm@drvax3.msfc.nasa.gov
Huntsville, AL

Date: Thu, 8 Sep 1994 17:49:59 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!gatech!cs.utk.edu!
stc06.CTD.ORNL.GOV!zaek25.ymd.ornl.gov!uid@network.ucsd.edu
Subject: How should you charge a nicad? When it's weak, or after each use?
To: ham-equip@ucsd.edu

In article <russekCvsJ39.Hnn@netcom.com> russek@netcom.com (Cory Russek) writes:
>Newsgroups: rec.radio.amateur.equipment
>Path: stc06.CTD.ORNL.GOV!cs.utk.edu!emory!swrinde!elroy.jpl.nasa.gov!decwrl!
netcomsv!netcom.com!russek
>From: russek@netcom.com (Cory Russek)
>Subject: How should you charge a nicad? When it's weak, or after each use?
>Message-ID: <russekCvsJ39.Hnn@netcom.com>
>Summary: When to charge nicads..... Help..
>Keywords: battery nicad ni-cad charge
>Organization: NETCOM On-line Communication Services (408 261-4700 guest)
>Date: Thu, 8 Sep 1994 03:01:57 GMT
>Lines: 15

>OK, I have heard it all. Some say charging nicads after each use will give
>it the longest life(as long as the charge amperage is LOW) some say only
>charge it when you get a low battery light, and still others say to drain
>it beyond the low battery sensors voltage then charge it.
>When I say Nicads I mean Batteries(more than one cell) some one PLEASE tell
>me how to get the longest life out of my nicads(not just for my Kenwood
>TH22AT but also for standard AA nicads in my CD player.)
>I'm not sure how to word this, but if possible tell me how sure you are
>about your answer(Nicads are too expensive to experiment with).
>If you have any info on charging proceeedures please E-mail me!
>Thanks, 73's (I think thats the right number)
>
> - Cory -
> Soon to be Tech Plus Licensee

FOR BEST LIFE, NICADS NEED TO DISCHARGE DOWN TO 1 VOLT PER CELL. THE BETTER
CHARGING METHODS ARE 1/10 OF THE CAPACITY FOR 15 HOURS OR THERE ARE SPECIAL
NICAD CHIPS WHICH USE SIMPLE COMPONENTS WHICH CHARGE TILL THE CELLS REACH
THEIR PEAK VOLTAGE AND THEN DIP SLIGHTLY. THERE WAS AN ARTICAL ON THESE IN ONE
OF THE RECENT HAM RADIO MAGAZINES.

DANNY

Date: Thu, 8 Sep 1994 19:30:23 GMT
From: tulane!darwin.sura.net!fconvx.ncifcrf.gov!mack@ames.arpa
Subject: How should you charge a nicad? When it's weak, or after each use?
To: ham-equip@ucsd.edu

2~

In article <russekCvsJ39.Hnn@netcom.com> russek@netcom.com (Cory Russek) writes:

>OK, I have heard it all. Some say charging nicads after each use will give
>it the longest life(as long as the charge amperage is LOW) some say only
>charge it when you get a low battery light, and still others say to drain
>it beyond the low battery sensors voltage then charge it.

2~

Well I used to top mine off everytime I used them and after a year
or so they had very little left in them. So I discharged them down
to almost zero and then charged them up again and what do you know -
they were back to almost normal capacity. So you've got to discharge teh
deeply, at least occassionally. I don't know if you should do it often
or not, but that's my story.

Joe NA3T
mack@ncifcrf.gov

Date: Fri, 9 Sep 1994 12:01:26 GMT
From: ncrqw2.ncr.com!ncrhub6!ncrlnk!otter!news@uunet.uu.net
Subject: How should you charge a nicad? When it's weak, or after each use?
To: ham-equip@ucsd.edu

>In article <Cvtsun.8K8@ncifcrf.gov> Joe Mack writes:
>2~
>In article <russekCvsJ39.Hnn@netcom.com> russek@netcom.com (Cory Russek)
writes:
>>OK, I have heard it all. Some say charging nicads after each use will give
>>it the longest life(as long as the charge amperage is LOW) some say only
>>charge it when you get a low battery light, and still others say to drain
>>it beyond the low battery sensors voltage then charge it.
>2~
>Well I used to top mine off everytime I used them and after a year
>or so they had very little left in them. So I discharged them down
>to almost zero and then charged them up again and what do you know -
>they were back to almost normal capacity. So you've got to discharge teh
>deeply, at least occassionally. I don't know if you should do it often
>or not, but that's my story.
> Joe NA3T
> mack@ncifcrf.gov>

Be carful how far you bring them down, you may go past the point of being able
to bring them back. One volt for each nicad cell is a good rule of thumb to
determin when to start recharging them.

Date: Thu, 8 Sep 1994 11:25:11
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!crcnis1.unl.edu!unlinfo.unl.edu!
praeuner@network.ucsd.edu
Subject: Mobile with TM742 or TM733
To: ham-equip@ucsd.edu

I just bought a new car and am considering a new radio.
Anyone have any experiences or regrets using the detachable front panel
kits for either the Kenwood TM742 or TM733 radios.

=====
Gary Praeuner, Engineer | Amateur Radio Callsign- WB0FNZ
Nebraska Educational Television | Compuserve- 72426,2362
University of Nebraska | Internet- praeuner@unlinfo.unl.edu
1800 North 33rd Street | Phone- 402-472-3611 x387

Lincoln, NE 68583

| FAX- 402-472-1785

Date: Fri, 9 Sep 1994 14:05:31 GMT

From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!concert!

hearst.acc.Virginia.EDU!cscsun!dtiller@network.ucsd.edu

Subject: Need addresses of HAM RADIO SHOPS in Washington DC

To: ham-equip@ucsd.edu

Igor Sokolov (igor@sokol.pssr.e-burg.su) wrote:

: I am going to Washington DC in September. Hope to purchase some equipment
: which is still in short supply here in Russia. Can somebody in that area
: help with addresses of shops selling new and used equipment. Are there flea
: markets and rallies scheduled in the area between 16 of September and
: 6 of November? I would appreciate any assistance.

: --

: Best regards,

: Igor Sokolov, (UA9CDC)

: E-mail: igor@sokol.pssr.e-burg.su

: Fax: 3432 229621

There's a place in Alexandria (or Arlington) Virginia (very close to DC) that
is very popular, I hear. It's either Ham Radio Outlet, or some such. Anyone
remember its name??

--

David Tiller	Network Administrator	Voice: (804) 752-3710	
dtiller@rmc.edu	n2kau/4	Randolph-Macon College	Fax: (804) 752-7231
Brady Law critique removed	P.O. Box 5005	ICBM: 37d 42' 43.75" N	
due to liberal PC pressure.	Ashland, Va 23005		77d 31' 32.19" W

Date: 9 Sep 1994 15:17:47 GMT

From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!

news.umbc.edu!haven.umd.edu!cs.umd.edu!newsfeed.gsfc.nasa.gov!

trmmstocker.gsfc.nasa.gov!stocker@network.ucsd.edu

Subject: Need addresses of HAM RADIO SHOPS in Washington DC

To: ham-equip@ucsd.edu

> Newsgroups: rec.radio.amateur.equipment

> Path:

news.gsfc.nasa.gov!newsfeed.gsfc.nasa.gov!cs.umd.edu!zombie.ncsc.mil!news.

> duke.edu!concert!hearst.acc.Virginia.EDU!cscsun!dtiller

> From: dtiller@cscsun.rmc.edu (David Tiller)

> Subject: Re: Need addresses of HAM RADIO SHOPS in Washington DC
> Message-ID: <Cvv8H7.LKp@cscsun.rmc.edu>
> Organization: Randolph-Macon College
> X-Newsreader: TIN [version 1.2 PL1]
> References: <AA9L9Qka8J@sokol.pssr.e-burg.su>
> Date: Fri, 9 Sep 1994 14:05:31 GMT
> Lines: 22
>
> Igor Sokolov (igor@sokol.pssr.e-burg.su) wrote:
> : I am going to Washington DC in September. Hope to purchase some
equipment
> : which is still in short supply here in Russia. Can somebody in that
area
> : help with addresses of shops selling new and used equipment. Are
there flea
> : markets and rallies scheduled in the area between 16 of September and
> : 6 of November? I would appreciate any assistance.
>
> : --
> : Best regards,
> : Igor Sokolov, (UA9CDC)
> : E-mail: igor@sokol.pssr.e-burg.su
> : Fax: 3432 229621
>
> There's a place in Alexandria (or Arlington) Virginia (very close to
DC) that
> is very popular, I hear. It's either Ham Radio Outlet, or some such.
Anyone
> remember its name??
>
> --
> David Tiller | Network Administrator | Voice: (804)
752-3710 |
> dtiller@rmc.edu | n2kau/4 | Randolph-Macon College | Fax: (804)
752-7231 |
> Brady Law critique removed | P.O. Box 5005 | ICBM: 37d 42'
43.75" N |
> due to liberal PC pressure. | Ashland, Va 23005 | 77d 31'
32.19" W |

The Ham Radio Outlet is located in Woodbine VA. It has a lot of equipment
and decent prices. However, you will need an automobile to drive down
there.
Just take 95S and take the Woodbine exit, it is about a 1 mile from the
exit.

There is also Maryland Radio Center in Laurel MD which is really closer to D.C. than Woodbine VA. They have competitive prices on ICOM and Kenwood. However, they don't carry a lot of the items in stock but order them. They have a fair amount of equipment available but not nearly as much as HRO. They do have antennas, mounts, etc.

Erich

```
*****
* Erich Franz Stocker *
* N3OXM *
* stocker@spsosun.gsfc.nasa.gov *
* *
* My ideas are my own and do not represent *
* the opinions of the federal government, *
* NASA or Goddard Space Flight Center. *
*****
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Date: Fri, 9 Sep 94 11:00:11 -0500
From: news.delphi.com!usenet@uunet.uu.net
Subject: QRP Recommendations
To: ham-equip@ucsd.edu

Stanley Outlaw <Stanley.Outlaw@capefear.com> writes:

> JJ> I've been out of hamming for many years...I'm thinking about
> JJ> re-entering with a QRP rig. I'm interested in hearing any
> JJ> recommendations about MFJ, TEJAS, HEATH, etc. How much power is needed
> JJ> to connect fairly regularly, any thoughts on small traveling anten
> JJ> as?

Look around for a ten tec argo 509, it should be about \$300 and is a stand-out QRP rig. 5 band, cw and ssb, hears well and has a great on-air sound. 5w on cw and 2w pep on ssb, you may not be busting pileups but hey, whatta rig!

The nice thing with the argo is that outside of a mini backpack single-band qrp cw rig, it may be the last qrp rig you ever need.

for single band rigs look at oak hills research, and especially KANGA-US. The catalog alone is enough to get one on qrp!

73 and good luck

pete n1q dq

Date: 9 Sep 1994 16:31:47 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!usc!nic-
nac.CSU.net!charnel.ecst.csuchico.edu!usenet@network.ucsd.edu
Subject: R7 Information
To: ham-equip@ucsd.edu

Thank you for reading this.

I'm looking for information from anyone who uses the Crushcraft R7 vertical antenna.

Any information you can remember about it will be helpful; good or bad. I'm looking to get one and would like to hear from actual users of this antenna. Any problems you have had setting it up, adjustments, SWR problems, hardware, anything you can think of will be helpful.

Thank you,

Stephen WB6AKF
(T-Rex8088@aol.com)
(smcdermott@oavax.csuchio.edu)

STEPHEN MCDERMOTT, CALIFORNIA STATE UNIVERSITY, CHICO
SMCDERMOTT@OAVAX.CSUCHICO.EDU

Date: 8 SEP 94 18:00:03 EST
From: pa.dec.com!nnnpd.lkg.dec.com!mtwain.enet.dec.com!klaes@decwrl.dec.com
Subject: SETIQuest Magazine - Exobiology
To: ham-equip@ucsd.edu

SETIQuest is a new quarterly print/electronic mail (E-mail) periodical containing news, technical information, and tutorials devoted to bioastronomy and its subset, SETI (Search for Extraterrestrial Intelligence).

SETIQuest is published for professionals, serious amateur astronomers, and individuals curious about this fascinating field of observation. SETIQuest fills the need for a specialized astronomical publication devoted exclusively to the on-going search for evidence

of life in the Universe. Such evidence could be intentional or inadvertent signals of other civilizations. Such evidence could be found in spectral signatures of biological activity on extrasolar planets or in the interstellar medium.

SETIQuest is written and edited for the scientifically literate individual taking part in the progress of our technological civilization, with articles by amateur and professional scientists. SETIQuest includes information about hands-on observational programs that can be carried out by individuals and groups of amateur astronomers at radio and optical wavelengths.

SETIQuest is filled with articles covering topics such as:

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- * Microwave or optical SETI as practiced by amateurs
- * "Do-it-yourself" participation in bioastronomy and SETI activities
- * Book reviews
- * Regular commentary on issues relevant to SETI and bioastronomy:

SETI and the political milieu

Philosophical issues regarding the prospects of success and failure in the search

SETI as a parable of science versus pseudo science

Publications Watch: Summaries of recent scientific/general publications relevant to SETI

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Telephone: (603) 924-9631 FAX (603) 924-7408
Internet E-mail: SQINQNET@pixelacres.mv.com

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Carl Helmerts, President & Editorial Director, Helmerts Publishing, Inc.
--< Publishers of Sensors, ID Systems and SETIQuest magazines >--
(what else do you do after starting BYTE?)
INTERNET: carl@pixelacres.mv.com
SNAILMAIL: 174 Concord Street, Peterborough, NH 03458
PHONE: 603-924-9631 -- FAX: 603-924-7408

Date: 9 Sep 1994 17:26:08 GMT
From: yuma!galen@purdue.edu
Subject: Value of Icom 551D 6m multimode?
To: ham-equip@ucsd.edu

A friend of mine has an Icom 551D 6m multimode with the FM, IF shift and VOX modules, 80 watts output. AES lists a price of about \$500, but he's wondering what he can really get for it. I've seen (and worked) the radio, it's in IMMACULATE condition.

So what's it worth? He hasn't decided if he'll sell yet, but a good offer might tip the scales.

Post it for all,
Galen, KF0YJ
Active in DN-70 this weekend, 6m,2m and 70cm.

End of Ham-Equip Digest V94 #322
